

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L12	1197197	@ad>"20030928"@riad>"20030928"@pt1d>"20030928"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
L13	74538	barrier adj layer not L12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
L14	10	titanium adj oxide with amorphous with L13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
L15	231	oxide with amorphous with L13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
L16	6	(copper cu) with L15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
L17	24	oxide with amorphous with barrier with (copper cu) not (L14 L16)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
L18	42	titanium adj oxide with diffusion adj barrier with L13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
L19	10	amorphous and L18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
L20	32	L18 not L19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
L21	34057	amorphous with \$10oxide not L13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
L22	41	(barrier adj layer diffusion adj barrier) with L21 not (L17 L18 L20)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 12:01
L28	299	kurihara-kazuaki.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 12:08
L29	23	amorphous and 28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 12:06
L30	18	amorphous and 28 not 12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 12:06
L32	279	kurihara-kazuaki.in. not 12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 12:13
S1	2	"20050070097"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 17:28
S2	31	barmak.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:02
S3	1191149	@ad>"20030928"@riad>"20030928"@pt1d>"20030928"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:02

S4	24	S2 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:03
S5	3	diffusion and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:16
S8	4018	(amorphous non adj crystalline noncrystalline) with barrier not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:18
S9	1954	(amorphous non adj crystalline noncrystalline) with barrier adj layer not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:18
S10	327	((amorphous non adj crystalline noncrystalline) with barrier adj layer).clm. not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:20
S11	6	((amorphous non adj crystalline noncrystalline) adj barrier adj layer).clm. not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:39
S12	262	(scandium sc) with (copper cu) with (yttrium y) with (lanthanum la) with (tantalum ta) with oxide not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 17:16
S13	1	S12 with barrier adj layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:44
S14	3	S12 with barrier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:44
S15	74538	barrier adj layer not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:48
S16	34	S12 and S15 not S14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:49
S18	0	barrier same S12 not S14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:49
S19	569	(scandium sc) same (copper cu) same (yttrium y) same (lanthanum la) same (tantalum ta) same oxide not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:57
S20	10	S19 same S15 not (S14 S16)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 20:58
S21	1547	(scandium sc) with (copper cu) with (yttrium y) with (lanthanum la) with (tantalum ta) not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:27
S22	2	S21 with S15 not (S14 S16 S20)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:14
S23	0	S21 with barrier not (S14 S16 S20 S22)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:14
S24	4	S21 same barrier not (S14 S16 S20 S22)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:15

S25	70	S21 and barrier adj layer not (S14 S16 S20 S22)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:16
S26	2586	(scandium sc) with (yttrium y) with (lanthanum la) with (tantalum ta) not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:27
S27	8	S26 with S15 not (S14 S16 S20 S22 S25)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:29
S28	6	S26 with barrier not (S14 S16 S20 S22 S25 S27)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:29
S29	8	S26 same barrier adj layer not (S14 S16 S20 S22 S25 S27 S28)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:31
S30	2	S26 same barrier not (S14 S16 S20 S22 S25 S27 S28 S29)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:35
S31	80	S26 and barrier adj layer not (S14 S16 S20 S22 S25 S27 S28 S29 S30)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:36
S32	82	(scandium sc) with S15 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:37
S33	15789	diffusion adj barrier not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:37
S34	24	(scandium sc) with S33 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:40
S35	71	S32 not S34	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:40
S36	12	("4965656" "5899740" "6086947" "6194310" "6482734" "6573179").PN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 21:54
S37	1191149	@ad> "20030928" @riad> "20030928" @pt1d> "20030928"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 13:58
S38	74538	barrier adj layer not S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 13:58
S39	756	(copper cu) adj S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 14:06
S40	78	(copper cu) with standard adj electrode adj potential	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 14:02
S41	11	amorphous with S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 14:07
S42	2443	(copper cu) with (yttrium y) with (lanthanum la) with (tantalum ta) not S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 14:33

S44	10	S42 with barrier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 14:31
S45	3057	(copper cu) with (lanthanum la) with (tantalum ta) not S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 16:42
S46	11	S45 with barrier not S44	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 14:34
S48	83	(titanium ti titanium adj nitride tin) with S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 16:39
S49	28328	(copper cu) with (tantalum ta) not S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 16:43
S52	2245	S49 with ((barrier adj layer) (diffusion adj barrier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 16:44
S53	54	amorphous with S52	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 17:12
S54	4754635	scandium sc copper cu yttrium y lanthanum la tantalum ta \$10oxide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 17:21
S55	2	("20040026119").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 17:22
S56	2	S54 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 17:22
S57	15371	(copper or cu) adj ((tantalum ta) (chromium cr)) not S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 17:29
S58	135	amorphous with S57	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 17:29
S59	3	barrier with S58	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 17:30
S60	2	*11307530*	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 17:32
S61	2	("6890852").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 18:24
S63	4	titanium adj dioxide with amorphous with S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 18:27
S64	10	titanium adj oxide with amorphous with S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 18:43
S65	231	oxide with amorphous with S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 18:32

S66	6	(copper cu) with S65	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 18:31
S67	0	dioxide with amorphous with S38 with (copper cu)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 18:32
S68	24	oxide with amorphous with barrier with (copper cu) not (S64 S66)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 18:33
S69	42	titanium adj oxide with diffusion adj barrier with S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 18:46
S70	10	amorphous and S69	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 18:44
S71	32	S69 not S70	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 19:08
S72	0	(copper cu) with S71	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 18:46
S73	33998	amorphous with \$10oxide not S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 19:09
S74	223	barrier with S73 not (S68 S69 S71)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 19:10
S75	41	(barrier adj layer diffusion adj barrier) with S73 not (S68 S69 S71)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 19:10